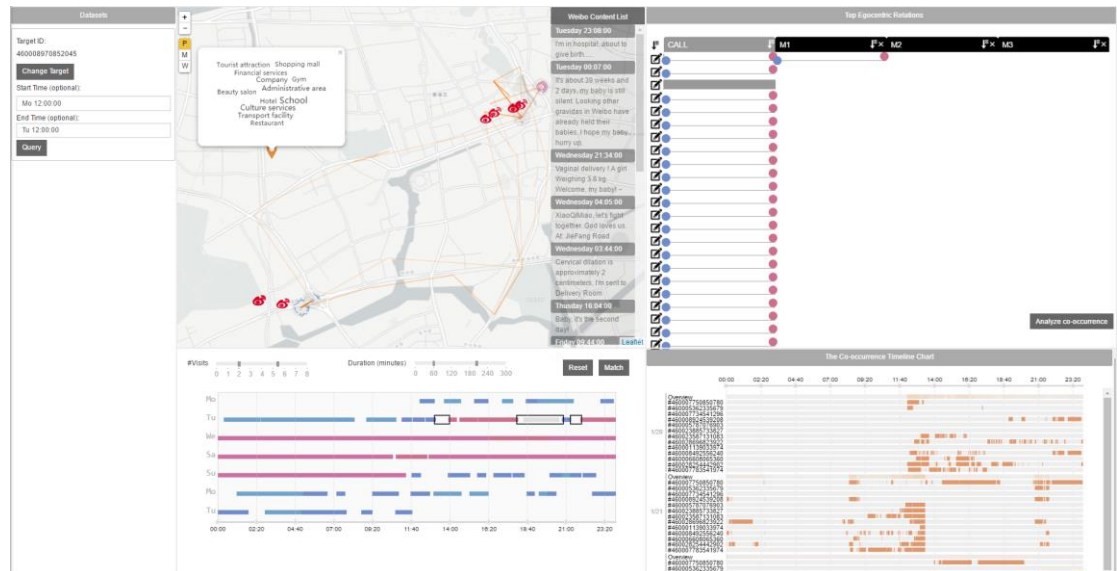


# Weekly report

## 1 Done.

### 1.1 RelationLine.



With the help of Wenlong, I can run the entire system. Moreover, I have made several improvements as follows:

- Encode the long-stay points with different colors. Based on K-means, The positions in the same zone are mapped into similar colors.
- Create weibo content list to fix the texts on the screen.
- Visualize POIs nearby with word cloud.
- Remove sensitive information. (Replace specific date by day of the week; Replace real nickname by random string, like "id00001")
- Modify the top-right view. The colorful nodes represent the long-stay points.
- Change the color scheme of the entire system.

I have asked Tianyi to help us optimize the design. Other details will be determined next week. Materials for the new video and figures can be ready next week.

### 1.2 Geo-privacy.

As we can invite a dozen students to participate our first user study, I am

prepared for the first experiment.

- Edit the trajectories of subjects.
- Solve system bugs.

Next week, I will print the questionnaires and do the first experiment.

### 1.3 Graph privacy

Paper reading: 《Differential Private Network Data Release via Structural Inference》

### 1.4 Presentation.

I have prepared two presentations (one is on interaction and the other one is about our privacy project) for summer school.